## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims

- (cancelled)
- 2. (cancelled)
- (cancelled) 3.
- 4. (cancelled)
- 5. (cancelled)
- 6. (cancelled)
- (currently amended)  $\frac{1}{2}$  The  $\frac{1}{2}$  multi-hull vessel  $\frac{1}{2}$  in accordance with claim 6, said vessel comprising:

## a main hull;

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- at least two lateral hulls disposed on opposite sides of said main hull with a surface deck disposed therebetween;
- an engine mounted in said main hull, said engine being capable of producing exhaust;
- areas of each of said lateral hulls in which said

  microbubble injectors are limited to the subsurface

  areas of said lateral hulls, extend around the bottoms

  of said lateral hulls and are spaced along inboard and

  outboard sides of said lateral hulls wherein each of

  said microbubble injectors comprises a plate having an

  open area in the range of 40-50%, the open area

  defined by a multiplicity of apertures in the range of

  1/16 1/8 inch diameter; and
- a plurality of conduits in fluid communication with said engine and microbubble injectors;
- wherein said engine is capable of producing cooling air

  with said conduits directing the cooling air to said

  microbubble injectors thereby effecting microbubble

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operation on the exterior areas and whereby upon an operation of said engine, exhaust produced by said engine is directed by said conduits to said microbubble injectors thereby effecting generation of microbubbles on the exterior areas to occasion microbubble drag reduction on said lateral hulls.

- 8. (original) The multi-hull vessel in accordance with claim 7 wherein the subsurface areas of said lateral hulls are provided with a non-wetting hull coating.
- 9. (cancelled)
- 10. (cancelled)
- 11. The A multi-hull vessel in accordance with claim 10 said vessel comprising:

a main hull;

at least two lateral hulls disposed on opposite sides of

said main hull with a surface deck disposed

therebetween;

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- an engine mounted in said main hull, said engine being capable of producing exhaust;
- a plurality of microbubble injectors disposed in exterior

  areas of each of said lateral hulls in which said

  microbubble injectors are limited to the subsurface

  areas of said lateral hulls, are spaced along one side

  of each of said lateral hulls and extend around the

  bottoms of said lateral hulls wherein each of said

  microbubble injectors comprises a plate having an open

  area in the range of 40 -50%, said open area defined

  by a multiplicity of apertures in the range of 1/16 
  1/8 inch diameter; and
- a plurality of conduits in fluid communication with said engine and microbubble injectors;
- with said conduits directing the cooling air to said

  microbubble injectors thereby effecting microbubble

  generation on the exterior areas and whereby upon an

  operation of said engine, exhaust produced by said

  engine is directed by said conduits to said

  microbubble injectors thereby effecting generation of

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microbubbles on the exterior areas to occasion microbubble drag reduction on said lateral hulls.

- 12. (cancelled)
- 13. (currently amended) The A multi-hull vessel in accordance with claim 2, said vessel comprising:

a main hull;

- at least two lateral hulls disposed on opposite sides of said main hull with a surface deck disposed therebetween;
- an engine mounted in said main hull, said engine being capable of producing exhaust;
- a plurality of microbubble injectors disposed in exterior

  areas of each of said lateral hulls wherein each of
  said microbubble injectors comprises a plate having an
  open area in the range of 40 -50%, said open area
  defined by a multiplicity of apertures in the range of
  1/16 1/8 inch diameter; and

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a plurality of conduits in fluid communication with said engine and microbubble injectors;

wherein said engine is capable of producing cooling air

with said conduits directing the cooling air to said

microbubble injectors thereby effecting microbubble

generation on the exterior areas and whereby upon an

operation of said engine, exhaust produced by said

engine is directed by said conduits to said

microbubble injectors thereby effecting generation of

microbubbles on the exterior areas to occasion

microbubble drag reduction on said lateral hulls.

- 14. (original) The multi-hull vessel in accordance with claim
  13 wherein the subsurface areas of said lateral hulls are
  provided with a non-wetting hull coating.
  - 15. (cancelled)
  - 16. (cancelled)
  - 17. (cancelled)
  - 18. (cancelled)